Use Attainability Analysis

for

WBID 0959 Straight Fork

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

JUL 1 4 2005

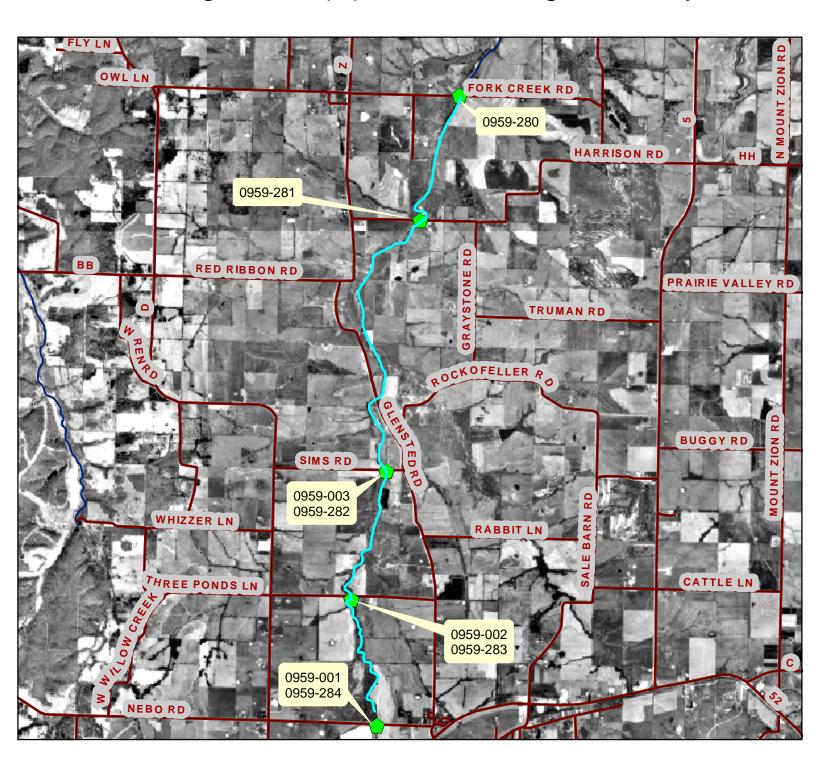
Field Data Sheets for Recreational Use Stream Surveys PROTECTION PROGRAM

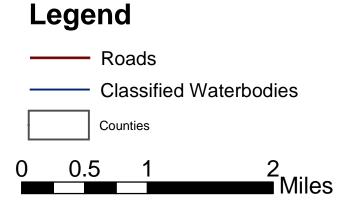
Data Sheet A - Water Body Identification

	Water Body Name (from USGS 7.5' quad): Straight FK.
	8-digit HUC: /0300102
	Missouri WBlD#: 0959
	County: Morgan
Ĺ	Upstream Legal Description: Gun U.
	Downstream Legal Description: Sing Rd
	Upstream Coordinates: N 38. 44305 W 092. 85000
	Downstream Coordinates: N 38.44230 W092.84844
	Discharger Facility Name(s): Vesalles WWTP
	Discharger Permit Number(s): MO 5094927
	Number of Sites Evaluated: 3
	Name of Surveyor and Telephone Number: Aaron Ble Saur 816 - 622 - 7018
ŀ	Organization: MoDNR - KCRO
	Position: ENV. Specialit
	e undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA sheet is true and accurate.
ign	ed: Geron Bleubaum Date: 7/13/65

September 29, 2004 Page 1

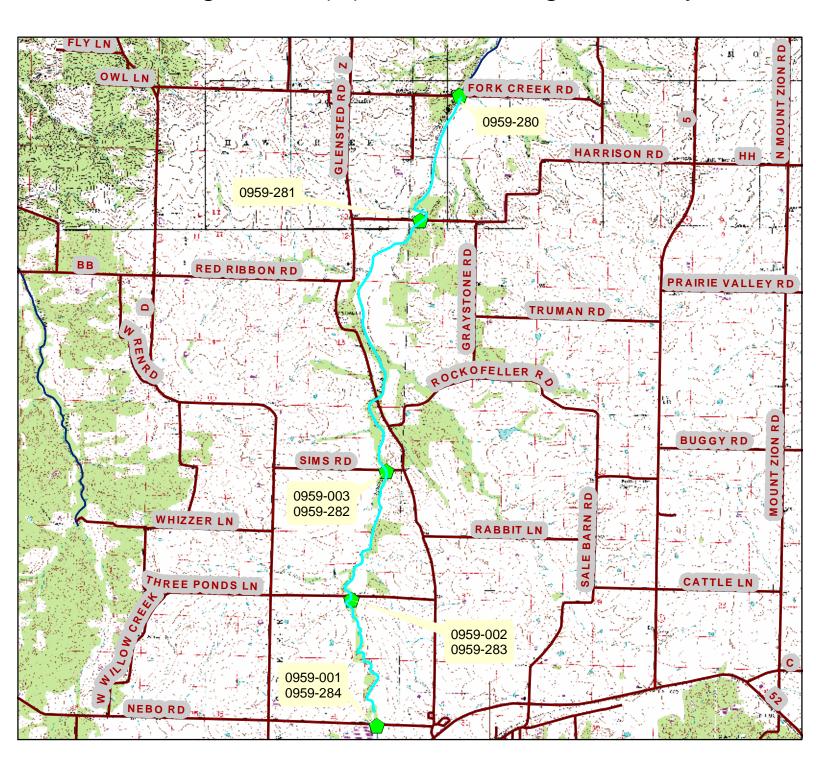
Straight Fork (C) #0959 Morgan County

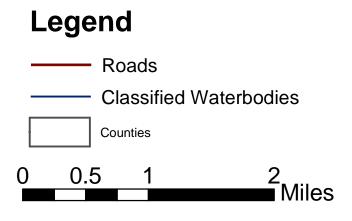


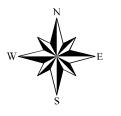




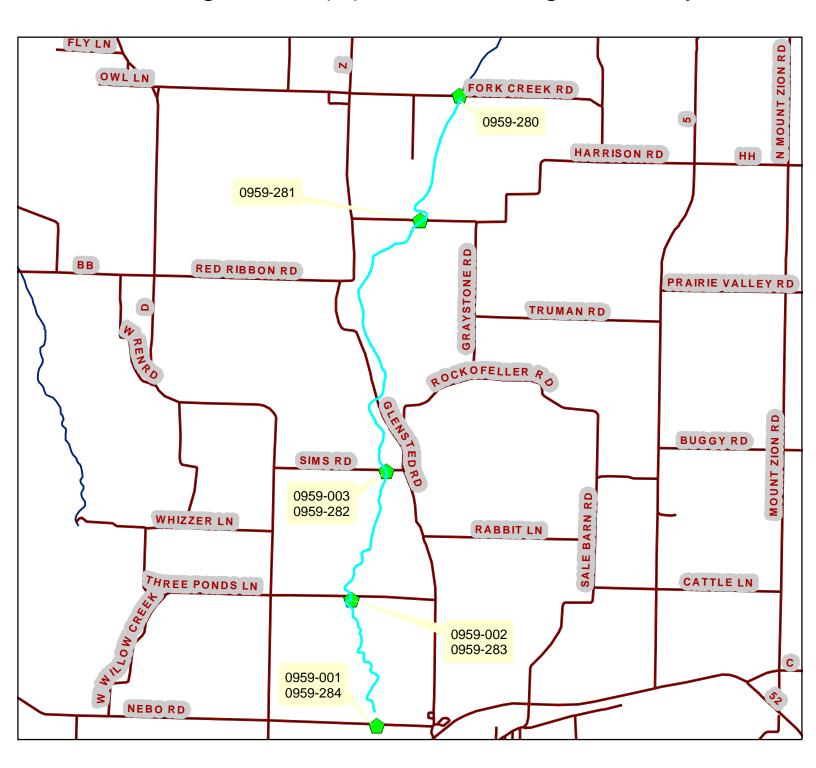
Straight Fork (C) #0959 Morgan County

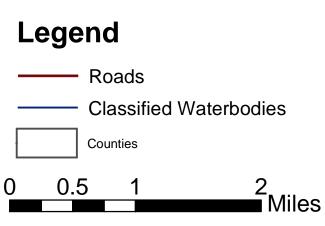






Straight Fork (C) #0959 Morgan County







Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #:	959-001		Site Location Description:				
Site GPS Coordinates:	N38.44307 WC	A2.91999	Grant Rt. Morgan Co. Facility Name: Versailles Warr				
Date & Time: 1/13/6			Facility Name: Versailles WWTP				
Personnel: Aaron	Ste. Saum		Permit Number: MO 0094927 Weather Conditions for Past 7 days: 140+ Hamil				
Current Weather Condit	ions: Sunny 83	3°F					
Photo Ids: Upstream:	42 Dow	vnstream: 43	Othe	r:	•		
	,	.,2	·				
cs Observed*:	T			T			
Swimming	Skin diving	SCU	BA diving	Tubing	☐ Water skiing		
☐ Wind surfing	Kayaking	☐ Boa	ting	Wading	Rafting		
☐ Hunting	☐ Trapping	Fish	ing	None of the above	Other:		
Describe: (include numb	er of individuals rec	reating, freque	ncy of use, photo-	documentation of evider	nce of recreational uses, etc.		
rrounding Condition	WHITE A						
rrounding Condition	WHITE A	promote or imp					
rrounding Condition	ns*: (Mark all that p	promote or imp	ede recreational u	uses. Attach photos of ev	idence or unusual		
rrounding Condition ns of interest.) City/county parks	ns*: (Mark all that p	promote or imp	ede recreational u servation lands forests	uses. Attach photos of ev Urban areas Nature trails	idence or unusual Campgrounds Stairs/walkway		
rrounding Condition ns of interest.) City/county parks Boating accesses	ns*: (Mark all that p Playgrounds State parks Fence	oromote or imp	ede recreational u servation lands forests	uses. Attach photos of ev Urban areas Nature trails	idence or unusual Campgrounds Stairs/walkway		
rrounding Condition ns of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or imp MDC con National f	ede recreational u servation lands forests	uses. Attach photos of ev Urban areas Nature trails	idence or unusual Campgrounds Stairs/walkway eld, WMTP Lessentel Construction		
rrounding Condition ns of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or imp MDC con National f Steep slop	ede recreational u servation lands forests	Urban areas Nature trails Other: Corn Fi	Campgrounds Campgrounds Stairs/walkway eld, WMTP Lesidental Construction RV/ATV Tracks		

other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

ge Two – eam Mor	phology:						
		- 	imensions:				
Riffle	Width (ft)		Length (ft):	Avg. Depth		Max. Depth (ft):	
Run	Width (ft)	:	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	· ·
Pool	Width (ft)	: 10	Length (ft):	Avg. Depth	(fi): 1.0ft	Max. Depth (ft):	1.0ft
Flow	Present?	☐ Yes	⊠ No	Estimated (f	t ³ /sec):		
Downstre	am View	Physical	l Dimensions:				
Riffle	Width (ft)	:	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft)	:	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Pool	Width (ft)	: 5	Length (ft):	Avg. Depth	(ft): O ft	Max. Depth (ft):	0 FH
Flow	Present?	Yes	№ No	Estimated (f			
3 0 %	6 Cobble	9	add up to 100%.) % Gravel unt of vegetation or	% Sand 70 algal growth at the asse	% Silt	% Mud/Clay	% Bedro
30 % uatic Veg 5% ø	6 Cobble getation*:	(note amo	% Gravel	•	···	% Mud/Clay	% Bedro
30 % uatic Veg 5% ø	etation*:	(note amo	% Gravel unt of vegetation or	•	···	% Mud/Clay	% Bedro
uatic Veg 5% o	etation*:	(note amo s*: (Mark] Sewage	% Gravel unt of vegetation or all that apply.) Musky Green	algal growth at the asse	essment site)		% Bedro
uatic Veg 5% o atter Chara Odor: Color: Bottom De	etation*:	(note amo s*: (Mark] Sewage Clear Sludge	wunt of vegetation or all that apply.) Musky Green Solids	algal growth at the asse	essment site) A'None Milky None	Other:	% Bedro
30 % uatic Veg 5% ø	6 Cobble getation*:	(note amo	% Gravel unt of vegetation or	•	···	% Mud/Clay	%
ter Character Color: Color: Bottom De Surface De	acteristic posit: Please att	s*: (Mark] Sewage] Clear] Sludge] Oil ach addit	all that apply.) Musky Green Solids Scum ional comments of a	algal growth at the asset	None None None None ation from interviation but rather i	Other: Other: Other: Other: other: to provide a more	
ter Character Color: Color: Bottom De Surface De	acteristic posit: Please att on is not to understandi	(note amo s*: (Mark] Sewage Clear] Sludge] Oil ach addit	all that apply.) Musky Green Solids Scum lely for removal of a	algal growth at the asset	None None None None ion from interination but rather in is not intended	Other: Other: Other: Other: Other: other: other: to provide a more to directly influence a	
der Character Character Character Character Character Character Character Color: Bottom De Surface De minents: It is informatic prehensive is sion on the ine unders	acteristic posit: po	(note amo s*: (Mark] Sewage Clear] Sludge] Oil ach addit be used soing of wate use analysis ereby aff	all that apply.) Musky Green Solids Scum lely for removal of a r conditions. Consess but may point to color	algal growth at the asset	None None None Interval	Other: Other: Other: Other: Other: other: other: other:),
uatic Veg 5% tter Char Odor: Color: Bottom De Surface De mments: is informatic prehensive sion on the the unders asheet is	acteristic acteristic posit: posit: Please att on is not to understandirecreation	(note amo s*: (Mark] Sewage Clear] Sludge] Oil ach addit be used soing of wate se analysis ereby aff accurate	all that apply.) Musky Green Solids Scum lely for removal of a r conditions. Conses but may point to continuous to the best of the conditions.	Chemical Gray Fine sediments Foam (including informat: a recreational use design quently, this information on ditions that need furth of my knowledge, to	None None None None nation but rather in is not intended ter analysis or the	Other: Other: Other: Other: Other: other: other: to other:	n this UAA
uatic Veg 5% uatic Veg 5% ter Char Odor: Color: Bottom De Surface De mments: is informatic prehensive sion on the the unders asheet is	acteristic acteristic posit: posit: Please att on is not to understandirecreation	(note amo s*: (Mark] Sewage Clear] Sludge] Oil ach addit be used soing of wate se analysis ereby aff accurate	all that apply.) Musky Green Solids Scum lely for removal of a r conditions. Conses but may point to continuous to the best of the conditions.	Chemical Gray Fine sediments Foam (including information recreational use design quently, this information onditions that need furth	None None None None nation but rather in is not intended ter analysis or the	Other: Other: Other: Other: Other: other: other: to other:	n this UAA



0959_001_DS



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 0	159.002		Site Location I		a. C			
Site GPS Coordinates:	138.45778 NO	992.95386	MIION DIE	Facility Name: Versailles WWTP				
1 1	los 2:08Pr			Facility Name: Versa. Wes WWTP				
Personnel: Aaron	Bleibour		Permit Number: MO 0094924					
Current Weather Condit	tions: Junny	85°F	Weather Condi	Weather Conditions for Past 7 days: Hot Der				
Photo Ids: Upstream:		vnstream: 46	,-47 Oth	or:	1			
			•					
ses Observed*:	5 01 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		STITE 4 All days					
Swimming	Skin diving	——	UBA diving	Tubing	☐ Water skiing ☐ Rafting			
Wind surfing	☐ Kayaking	 -	ating 	Wading				
│	Trapping		shing	None of the above	Other:			
Describe: (include numb Agnadic Life Bearer	ber of individuals rec	reating, frequ	ency of use, photo	o-documentation of eviden	ce of recreational uses, etc			
Agnadic Life Bearer arrounding Condition								
Agnadic Life Beaver Trounding Condition as of interest.)	ns*: (Mark all that p	promote or in	npede recreational	uses. Attach photos of evi	dence or unusual			
Agnadic Life Bearer arrounding Condition as of interest.) City/county parks	ns*: (Mark all that p	promote or in	npede recreational	uses. Attach photos of evi	dence or unusual			
Agnadic Life Bearer arrounding Condition ms of interest.)	ns*: (Mark all that p	promote or in	npede recreational onservation lands	uses. Attach photos of evi	dence or unusual Campgrounds Stairs/walkway			
Aquadic Life Bearer Dirounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC co	npede recreational onservation lands	uses. Attach photos of evi	dence or unusual Campgrounds Stairs/walkway			
Aquadic Life Bearer Dirounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	momote or in MDC co	npede recreational onservation lands I forests opes	uses. Attach photos of evi	Campgrounds Stairs/walkway			
Aquadic Life Bearer arrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or in MDC co Nationa Steep sle	npede recreational onservation lands	Usban areas Nature trails Other: Mearby	Campgrounds Stairs/walkway			

other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - V	WBID #	<u>0959</u> -0	آل ا	Data Sh	eet B - Site	Character	rization			
Stream Morj Upstream	ohology	:		ions.						
Riffle	Width (f			ength (ft):		Avg. Depth (ft):]	Max. Depth (ft	t):
Run	Width (f			ength (ft):		Avg. Depth (Max. Depth (fi	•
2 Pool	Width (f	<u> </u>		ength (ft):						·
Flow	Present?		□ No			Estimated (ft	(ft): /.0 F 3/sec): 0.	25 ff	/sec	
Downstrea	ım Viev	v Physica	ıl Dim	ensions:	:		•	.,,		
Riffle	Width (f	•		ength (ft):		Avg. Depth ((fi): 1.0 F1		Max. Depth (ft): 1.75 FH
Run	Width (f	t):		ength (ft):		Avg. Depth (Max. Depth (ft	•
Pool	Width (fi	t):	ĭ.c	ength (ft):		Avg. Depth ((ft):]	Max. Depth (ft	t):
Flow	Present?	∑ Yes	□ No	3		Estimated (ft	³ /sec): 2	A13/3		•
Aquatic Vege	Cobble ctation*	10	% Grav	el vegetation	% Sano		% Silt	%	Mud/Clay	% Bedrock
Water Chara Odor:	cteristi.		call that			emical	None		Other:	
Color:	<u></u>	Sewage Clear		Musky Green	☐Gra		Milky		Other:	
Bottom Dep		Sludge	<u>_</u>	Solids		e sediments	None		Other:	
Surface Dep		Oil	Σ	Scum	☐ Foa		None		Other:	
latasheet is t	n is not to nderstand ecreation gned, h rue and	o be used so ling of wate use analysi ereby aft accurate	olely for er condi s but ma firm to e.	removal of tions. Con ay point to the bes	ts (including of a recreation is equently, the conditions are conditions as a condition of the condition of the conditions are conditions as a condition of the co	nat use design is information nat need furth owledge, th	ation but rath n is not intender er analysis or hat all info	er is to pled to di that efformation	provide a more rectly influence another use	ee a e. on this UAA
Signed:		um	Ble	Saus	<u> </u>	Date:	7/13/0	5		
Organization:	//	% DV1	e -	KCRI	6	Position	1: <u>Env</u>	. Sp	evelist	



0959_002_US





0959_002_DS



Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	159-003		Site Location Description:				
Site GPS Coordinates:	139.47228 WO92.	gygys Simi	Sins Rd Morgan Co. Facility Name: Yersa./ks WWTP Permit Number: MO 294927 Weather Conditions for Past 7 days: Hot, Hurid				
Date & Time: 7/13		Facility Name:					
	Bleitaun	Permit Number:					
Current Weather Conditi	ons: Surry 85F	Weather Conditi					
Photo Ids: Upstream:	9 49 Downstre	am: 50.51 Other	-	,			
Us <u>es Observed*:</u>	<u>-</u>			· · · · · · · · · · · · · · · · · · ·			
Swimming	Skin diving	SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	Rafting			
☐ Hunting	Trapping	Fishing	None of the above	Other:			
Describe: (include numb	er of individuals recreating	ig, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)			
Closed Brid	ze						
Surrounding Condition		ote or impede recreational u	uses. Attach photos of evide	nce or unusual			
Surrounding Condition tems of interest.)	ns*: (Mark all that promo						
Surrounding Condition tems of interest.)	ns*: (Mark all that promo	MDC conservation lands	Urban areas	Campgrounds			
Surrounding Condition tems of interest.) City/county parks Boating accesses	State parks	MDC conservation lands National forests	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway			
Surrounding Condition tems of interest.)	State parks	MDC conservation lands	☐ Urban areas ☐ Nature trails	☐ Campgrounds ☐ Stairs/walkway			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	Playgrounds State parks Steepers	MDC conservation lands National forests	Urban areas	☐ Campgrounds ☐ Stairs/walkway			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign	Is*: (Mark all that promo	MDC conservation lands National forests Steep slopes	Urban areas Nature trails Other: Posture Dense Veg	☐ Campgrounds ☐ Stairs/walkway			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign Evidence of Human Us	State parks St	MDC conservation lands National forests Steep slopes	Urban areas Nature trails Other: Posture Dense Vey Livestock Watering	Campgrounds Stairs/walkway Live Stock			
Surrounding Condition tems of interest.) City/county parks Boating accesses No trespass sign Evidence of Human Us	Is*: (Mark all that promo	MDC conservation lands National forests Steep slopes	Urban areas Nature trails Other: Posture Dense Veg	Campgrounds Stairs/walkway Live stack elation RV / ATV Tracks			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two – Y	WRID#	1959,00°	Data Sheet 1	B - Site Characteri	zation		
Stream Mor	phology:		Dimensions:				
Riffle	Width (ft)		Length (ft): 50	Avg. Depth (f	1): 1.0ft	Max, Depth (ft):	2F+
Run	Width (ft)	:	Length (ft):	Avg. Depth (f	`	Max, Depth (ft):	<u>~ (</u>
☐ Pool	Width (ft)	:	Length (ft):	Avg. Depth (f	t):	Max. Depth (ft):	
Flow	Present?	X Yes	□No	Estimated (ft ³ /	/sec): 2 <i>ft</i>	3/sec	
Downstre:	am View	Physica	l Dimensions:				
Riffle	Width (ft)	 	Length (ft):	Avg. Depth (f		Max. Depth (ft):	
Run	Width (ft)	;	Length (ft):	Avg. Depth (f	t):	Max. Depth (ft):	
⊠ Pool	Width (ft)	: 30	Length (ft): /Q	Avg. Depth (f	1): 2.0Ft	Max. Depth (ft):	3 f+
Flow	Present?	Yes	□ No	Estimated (ft ³)	/sec): 0.5	FF3/sec	- 1 ;
15%	akse			lgal growth at the assess	sment site)		
Vater Chara Odor:	cteristic	s*: (Marl] Sewage	all that apply.) Musky	Chemical	None	Other:	
Color:	<u>_</u>	Clear	Green	Gray	☐ Milky	Other:	
Bottom Dep		Sludge	Solids	∑ Fine sediments	None	Other:	
Surface Dep	oosit:	Oil	Scum	Foam	None	Other:	
This informatio	n is not to inderstandi	be used so	olely for removal of a regression. Consequ	ncluding information recreational use designation tently, this information ditions that need further	tion but rather i	is to provide a more to directly influence a	
atasheet is t	rue and	accurat	e.	my knowledge, th		-	
rganization:	Mo	DNR	KCKO	Date: Position:	Env.	Specialist	_



0959_003_DS





